

**AMENDMENTS TO THE CLAIMS**

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This listing of claims supersedes all prior versions and listings of claims in this application:

**LISTING OF CLAIMS:**

*MC 7/20/05*  
1. (Currently Amended) An ATM-PON (Asynchronous Transfer Mode Passive Optical Network) dual system providing a reliable service by dualizing intervals between optical couplers and ONUs (Optical Network Units), comprising:

a control information loading means which loads switch controlling information to a fixed area of a format transmitted and received between an OLT and the ONUs, said control information includes VPI/VCI on a cell header and values of line numbers in a message field of a PLOAM cell; and

• a switch controlling means which switches to each at least one of a VP or a VC on the basis of said switch controlling information; and [.]

wherein said switching redirects the transmission of a failing line and does not disturb the transmission to ONUs having satisfactory transmission.

2. (Original) The ATM-PON dual system as claimed in claim 1, wherein said switch controlling means is characterized in deciding necessity of switching by referring to K1/K2 byte